

NEVADA CREEK DAM

Fact Sheet



PROJECT DESCRIPTION

- ◆ Located on Nevada Creek in Powell county
- ◆ Adjacent to State Hwy 141, between Avon and Helmville
- ◆ Nevada Creek is a major tributary of the Blackfoot River
- ◆ Owned by DNRC & managed by SWPB
- ◆ Operated by Nevada Creek WUA since 1939

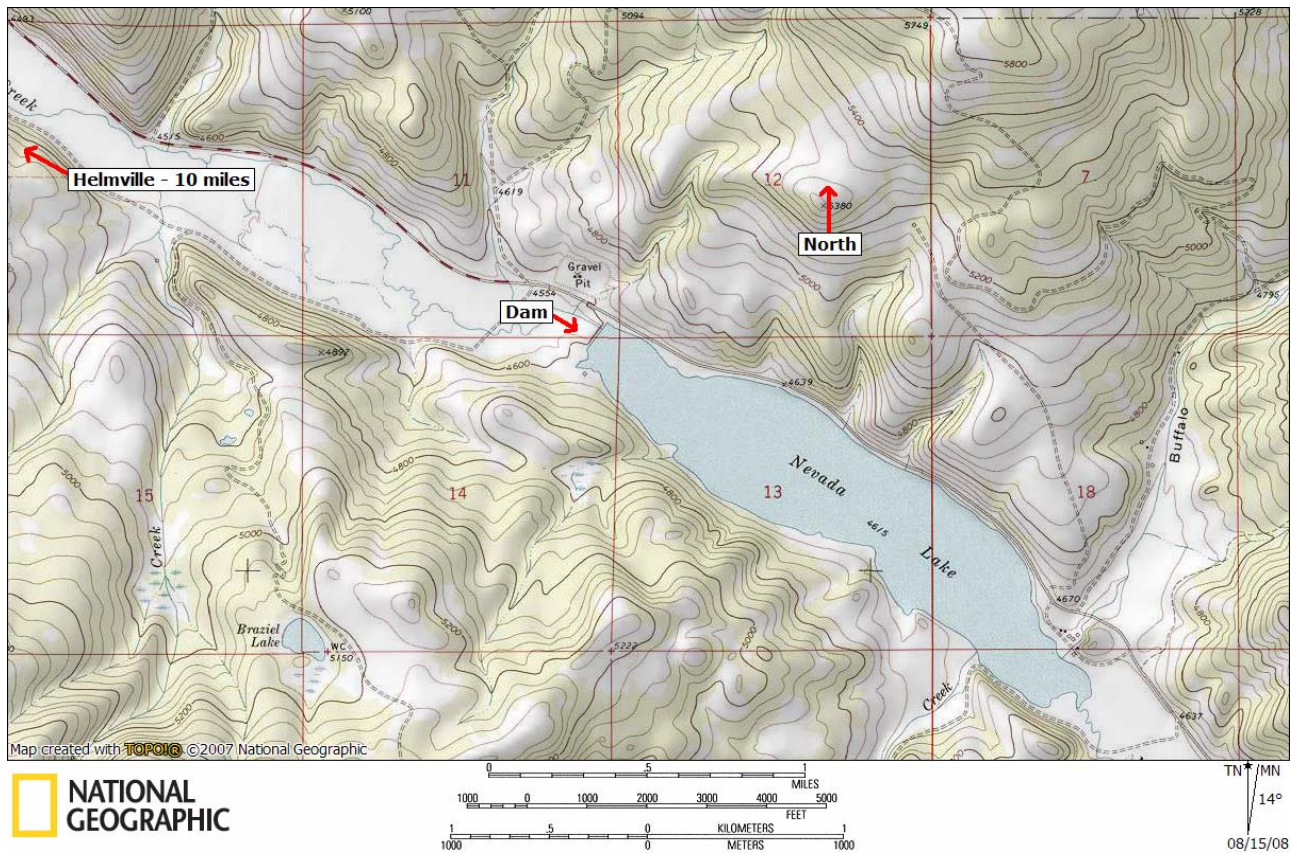
- ◆ Project consists of:
 - ◆ Earthfill Dam, 105 feet high, 1,083 feet long.
 - ◆ Uncontrolled ogee crest concrete chute spillway.
 - ◆ 5-foot diameter, 472 foot-long, gated, reinforced concrete outlet conduit.
 - ◆ 54-inch diameter gate valve upstream (emergency gate) and 54-inch butterfly valve (operating gate).
- ◆ Original construction completed in 1938
- ◆ Normal storage at spillway crest is 11,152 acre-feet, covering 368 surface acres.
- ◆ 17 water users have 35 contracts and irrigate approximately 5,600 acres with two canals: Douglas Canal (12.7 miles long) North Canal (13.4 miles long)
- ◆ The dam is a “high hazard” structure which means that its failure could cause loss of life. Numerous houses, roads, bridges, canals and utilities are located in the flood plain below the dam.

REHABILITATION

A major rehabilitation was completed in 2003. The project included the replacement of the spillway, extension of the outlet works, relief wells to reduce foundation pressures, and the addition of a toe berm to enhance embankment stability.

The rehabilitation brings the dam into full compliance with current dam safety standards.

PROJECT COST: \$2,000,000



New Spillway



Upstream Face